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# SmartCommand / JMS System Configuration Worksheet

To ensure that the SmartCommand / JMS system is the correct choice for a vessel, we ask that you fill out the information requested on this worksheet. While the SmartCommand / JMS system is quite versatile in the signals it is capable of producing, there are some interfaces with which it may not be compatible.

Date: _____

| | | | | | |
|---|---|---|---|---|---|
| Your Name: | _____ | | | | |
| Builder: | _____ | Boat Owner: | _____ | | |
| Street Address: | _____ | | | | |
| City: | _____ | State: | _____ | Postal Code: | _____ |
| Contact Name: | _____ | Phone: | _____ | | |
| E-mail: | _____ | Fax: | _____ | | |

## Vessel Information

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Vessel Name: | _____ | | | | Hull #: | _____ | |
| No of screws: | _____ | | Classification: | _____ | | | |
| Type: | _____ | | Overall Length: | _____ | Unit | Length at Waterline: | _____ Unit |
| Draft: | _____ | | Displacement (fully loaded): | _____ | Unit | | |
| Windage or sail area: | _____ | Unit | Wind Velocity: | _____ | Unit | 9 mph maximum (10 kts) | |

## Requirements

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Main Propulsion | ☐ | Bow Thruster 1: | ☐ | Bow Thruster 2: | ☐ | Stern Thruster | ☐ | Other | _____ |
| Number of Stations: | _____ | | Station Locations: | _____ | | Engine Synch? | ☐ | | |

## Propulsion Machinery Information

| | | | | | |
|---|---|---|---|---|---|
| Engine Mfg: | _____ | | | | |
| Model: | _____ | HP: | _____ | RPM: | _____ |
| Signal Type: | _____ | Range: | _____ | | |
| Note - Must have Electronic Governor | | | | | |

| Transmission Information | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Manufacturer:_____ | | | | | | | | |
| Model:_____ Ratio:_____ | | | | | | | | |
| Note - Must haveHydraulic Clutch with a Solenoid Selector | | | | | | | | |
| 2-Speed? | Yes | ☐ | Ratio:_____ | | | | No | ☐ |
| Trolling Valve? | Yes | ☐ | | | | | No | ☐ |
| Select One Interface | Mechanical | ☐ | Pneumatic | ☐ | Solenoid | ☐ | Electric | ☐ |

**Bow Thruster**

| | | | | |
|---|---|---|---|---|
| Thruster Mfg: | _____ | | Model: | _____ |
| Rated Thrust: | _____ | | Motor (or Hydraulic Pump) Horse Power (or kW): | _____ |
| Select One | Proportional | ☐ | On / Off | ☐ |
| Select One | High Side | ☐ | Low Side | ☐ |
| Select One | Electric | ☐ | Hydraulic | ☐ |

**Bow or Stern Thruster**

| | | | | |
|---|---|---|---|---|
| Thruster Mfg: | _____ | | Model: | _____ |
| Rated Thrust: | _____ | | Motor (or Hydraulic Pump) Horse Power (or kW): | _____ |
| Select One | Proportional | ☐ | On / Off | ☐ |
| Select One | High Side | ☐ | Low Side | ☐ |
| Select One | Electric | ☐ | Hydraulic | ☐ |

**Joystick Maneuvering System**

| | | | | |
|---|---|---|---|---|
| No. of Joystick Stations: (max 6) | _____ | | No. of Display Stations: (max 4) | _____ |
| iAnchor - Optional | Yes | ☐ | No | ☐ |
| Note: MCU and SmartCommand are required for JMS | | | | |

## Bow/Stern Thruster Notes:

1. ZF recommends the use of a hydraulic thruster for extended operation in Joystick Mode. If a Electric thruster is used, the duration of operating in Joystick Mode is limited by the duty cycle of the bow thruster which is typically only 2 or 3 minutes.
2. For the iAnchor feature (station keeping) a hydraulic bow thruster is a requirement. Otherwise an unsafe condition will result.
3. For Single screw applications bow and stern thrusters are required.